## Abstract

A method is shown for phosphating metal layers by electrolytic deposition from acid aqueous solutions which contain at least zinc ions and phophate ions, while simultaneously applying direct current. Simultaneously with the depositing of the phosphating layer, an electrolytic deposition of zinc takes place in the same electrolyte. The current density, in this context, is in the range of  $> A/dm^2$ .

Fig.

5

NY01 1149506 v1

9